



# Gulf of Mexico Harmful Algal Bloom Bulletin

26 May 2005

National Ocean Service

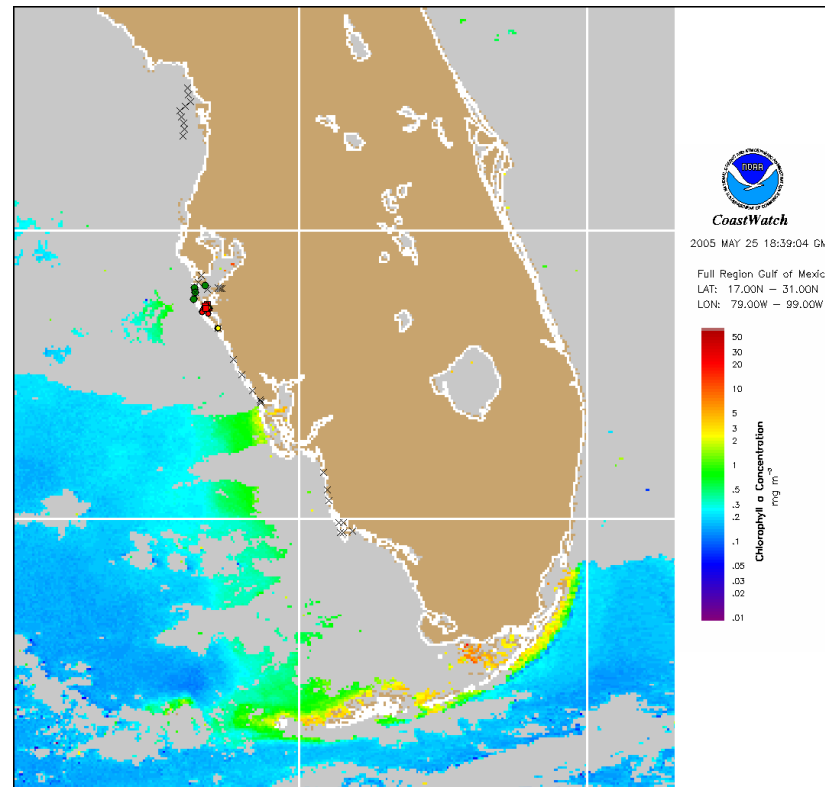
National Environmental Satellite, Data, and Information Service

Last bulletin: May 23, 2005

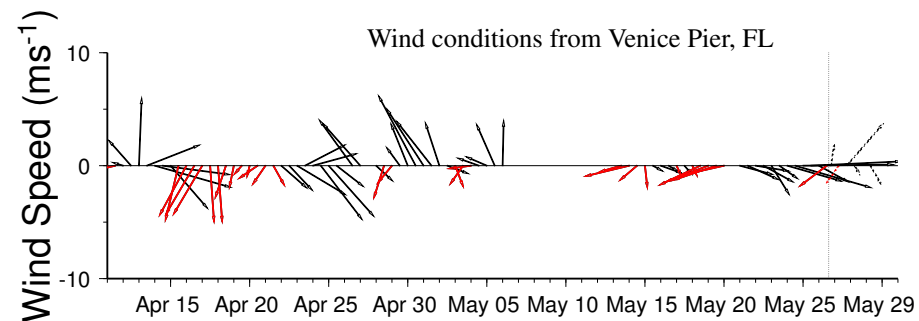
**Conditions:** A harmful algal bloom has been identified in southern Pinellas, Manatee and northern to mid Sarasota Counties. Patchy very low to moderate impacts are possible along coastal beaches and in bay-side vicinities through Monday.

**Analysis:** Recent imagery is obscured by clouds. Reports of respiratory irritation were received on Wednesday (5/25) from Longboat Key, Siesta Key, and Casey Key. The bloom is suspected to be present in patches along the coast from Tampa Bay to Venice, as well as inside the Palma Sola and Sarasota Bay systems. No imagery or recent samples are available for confirmation of the bloom's extent. Variable, south-westerly, and southerly winds tomorrow through Monday increase the potential for impacts at coastal beaches and bayside areas from Tampa Bay to Venice. Intensification and further southerly movement of the bloom is not expected through Monday.

Fisher, Keller, Brondor



Chlorophyll concentration from satellite with possible HAB areas shown by red polygon(s). Cell concentration sampling data from May 15, 2005 shown as red squares (high), red triangles (medium), red diamonds (low b), red circles (low a), orange circles (very low b), yellow circles (very low a), green circles (present), and black "X" (not present).

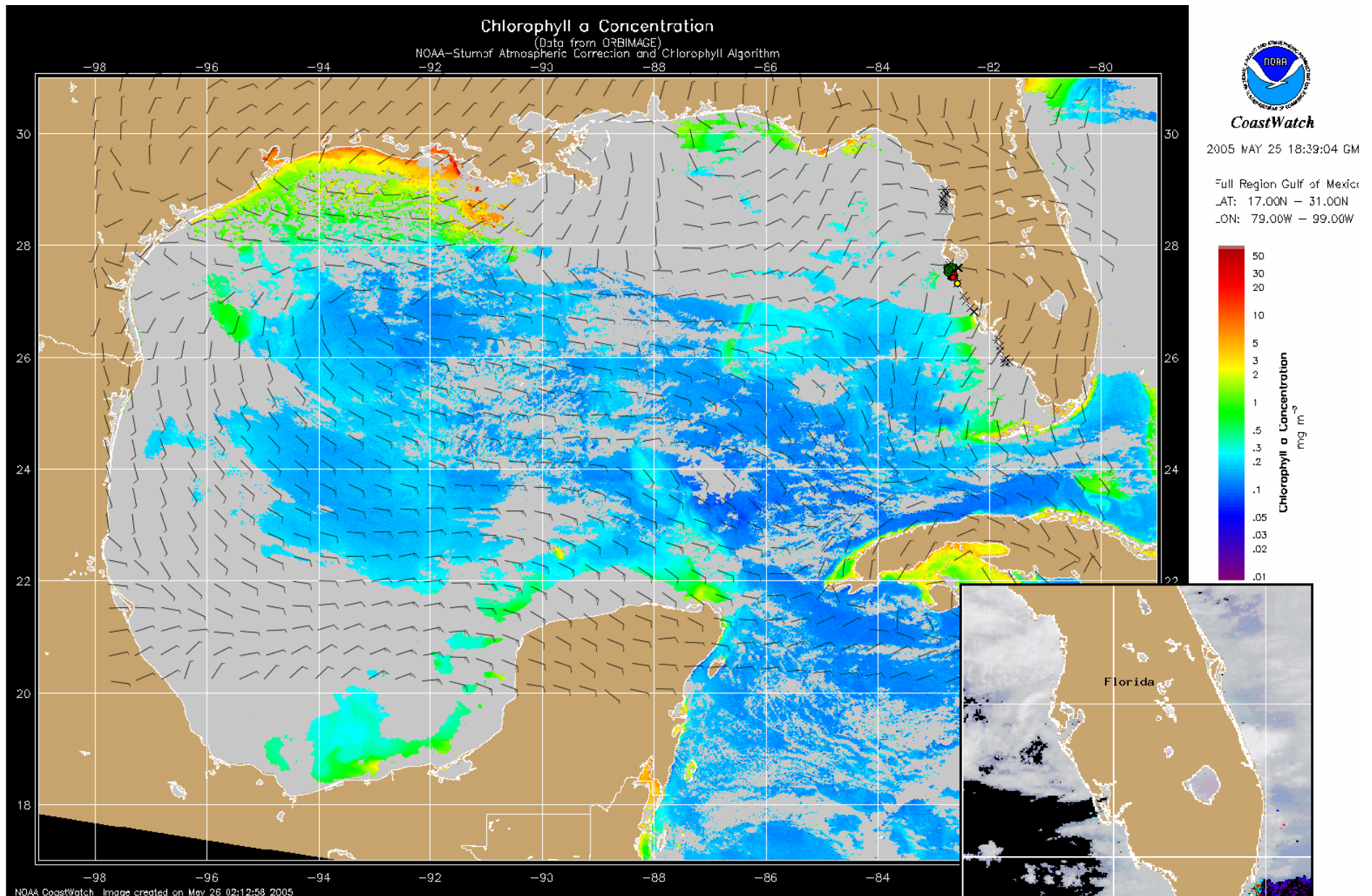


Wind speed and direction are averaged over 12 hours from measurements made on buoys. Length of line indicates speed; angle indicates direction. Red indicates that the wind direction favors upwelling near the coast. Values to the left of the dotted vertical line are measured values; values to the right are forecasts.

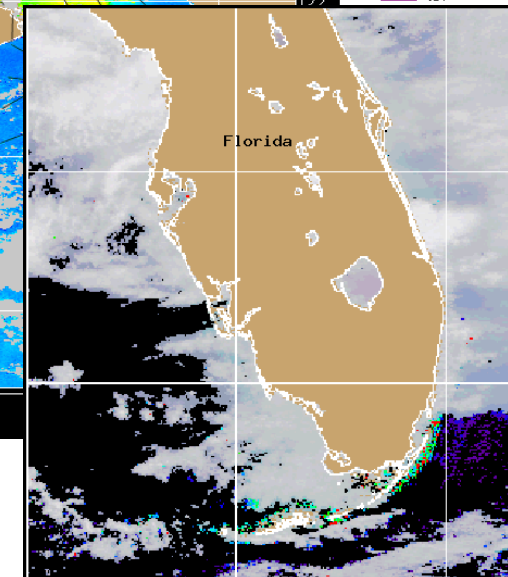
Mild (5-10kts, 3-5m/s) northeasterlies today will become variable and easterly by tonight. Variable winds (5kts, 3m/s) expected tomorrow. Southwest winds at 5-10kts (3-5m/s) Saturday and Sunday will become southerly at 10kts (5m/s) on Monday.

Please note the following restrictions on all SeaWiFS imagery derived from CoastWatch.

1. These data are restricted to civil marine applications only; i.e. federal, state, and local government use/distribution is permitted.
2. Distribution for military, or commercial purposes is NOT permitted.
3. There are restrictions on Internet/Web/public posting of these data.
4. Image products may be published in newspapers. Any other publishing arrangements must receive OrbImage approval via the CoastWatch Program.



Chlorophyll concentration from satellite and forecast winds for May 27, 2005 12Z with cell concentration sampling data from May 15, 2005 shown as red squares (high), red triangles (medium), red diamonds (low b), red circles (low a), orange circles (very low b), yellow circles (very low a), green circles (present), and black "X" (not present).



Blooms shown in red (see p. 1 analysis and image for interpretation)

